



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010450
CERTIFICATION DATE: September 5, 2013
DATE RECERTIFICATION DUE: March 4, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

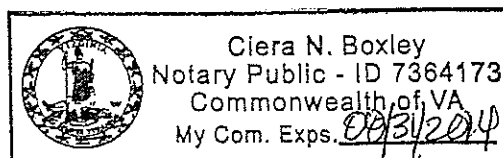
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 13th day of September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
NSK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/6/2013**

Instrument Serial Number: 010450

As of 06-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
05-Sep-13	05-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Mar-13	20-Mar-13	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
16-Jan-13	25-Sep-12	SED (24178)	REPLACED UPS BACK-UP BATTERY.
25-Sep-12	25-Sep-12	DBH (21250)	CERTIFIED.
12-Apr-12	12-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Oct-11	26-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
16-Jun-11	16-Jun-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Dec-10	28-Dec-10	DBH (21250)	CERTIFIED
07-Jul-10	07-Jul-10	DBH (21250)	CERTIFIED
08-Jun-10	12-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD
12-Jan-10	12-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
05-Aug-09	05-Aug-09	DBH (21250)	CERTIFIED.
02-Jul-09	02-Jul-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
23-Jun-09	23-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Nov-08	12-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

MSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010450 Worksheet Start Date 9/5/2013
Location Amelia CO SO
Address 16441 Court St Amelia VA 23002
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

- 1 Secured Environment:**
Location must not be accessible to the general public. ☒ ☐
- 2 Environment free from contaminants** ☒ ☐
- 3 Dedicated telephone line:**
The phone line should be used solely by the instrument. ☒ ☐
- 4 Adequate Ventilation:**
Enough space must be provided for the instrument and the printer to allow for adequate ventilation. ☒ ☐
- 5 Stable temperature controls:**
The instrument should not be exposed to direct sources of temperature variation. ☒ ☐
- 6 115VAC power source:**
Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices. ☒ ☐
- 7 Room Condition:**
The site should be free of excessive moisture, heat and dust. ☒ ☐

	Old serial no.	New serial no.	Supplies	
E-Seek			Mouthpieces	
Keyboard			Certificates of Analysis	50
Printer			Operator Worksheet	50
UPS			Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number	010450	Certification Date	9/5/2013
Instrument Barometer (mm HG)	749	Reference Barometer (mm HG)	755
Reference Barometer(RB)Serial #	009110	RB Calibration Due	5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.242
0.250	0.246	0.238	0.253	Sample 2	0.242
Precision		sample min	sample max	Sample 3	0.241
0.001		0.241	0.242		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.148	0.143	0.152	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.146
0.001		0.146	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.079	0.076	0.082	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated ☒ Certified ☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.) AG316301-05

☒ Measurement Assurance Check ☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.098	0.095	0.101	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

DFS Technician

Donald B Hall

Date

9/6/13

Issuing Analyst

Melina Kennedy

Date

9/11/13

DBH

Nash



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/05/2013
TEST EQUIPMENT NUMBER		
010450		

RESULTS: TIME SAMPLE TAKEN 09:41 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

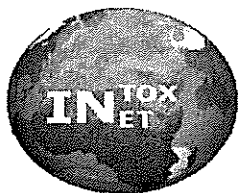
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 05 Sep 2013 at 09:55

mmb
DBH

msk

Test Results

Instrument Serial Number 010450

Test # 000352 Subject Test

Test Location 1 Department of
Test Date 05 Sep 2013

Test Location 2 Forensic Science
Test Time 09:35
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 05 Sep 2013 End Time 09:43

Result Time 09:41

Result Date 05 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:36

Data Type BLK

Sample Value 0.000

Sample Time 09:36

Data Type CHK

Sample Value 0.101

Sample Time 09:37

Data Type BLK

Sample Value 0.000

Sample Time 09:38

Data Type SUBJ

Sample Value 0.000

Sample Time 09:39

Data Type BLK

Sample Value 0.000

Sample Time 09:40

Data Type SUBJ

Sample Value 0.000

Sample Time 09:41

Data Type BLK

Sample Value 0.000

Sample Time 09:42

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG219101-14

Standard Expiration Date 07/09/2014

Tank Pressure 129

Barometric Pressure 749 mmHg

Blow Sample Number 1 Blow Duration 3.17 sec

Blow Volume 1779 cc End-of-Blow Time 09:39

Blow Sample Number 2 Blow Duration 3.35 sec

Blow Volume 1702 cc End-of-Blow Time 09:41

Tamper Evident Stamp 61512ca7

Test Status Code 0

Test Status Success

DBH

NSH

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010450

System Date: 09/05/2013

System Time: 10:10 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010450 Test Number: 353

Test Date: 09/05/2013 Test Time: 10:18 EDT

Dry Gas Target: 0.098

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 458 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:19
CAL	0.098	10:20

Test Status: Success

Calibration CRC: 01C9615D

Intox EC/IR-II: Certification

WHL

Department of Forensic Science

Serial Number: 010450 Test Number: 354

Test Date: 09/05/2013 Test Time: 10:24 EDT

Technician Initials: DBH

Dry Gas Target: 0.246

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 355 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:24
BLK	0.000	10:25
CHK	0.242	10:26
BLK	0.000	10:27
CHK	0.242	10:28
BLK	0.000	10:30
CHK	0.241	10:30
BLK	0.000	10:32

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

WMA

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010450 Test Number: 355

Test Date: 09/05/2013 Test Time: 10:34 EDT

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 129 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:35
BLK	0.000	10:35
CHK	0.146	10:36
BLK	0.000	10:38
CHK	0.147	10:38
BLK	0.000	10:40
CHK	0.146	10:41
BLK	0.000	10:42

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010450 Test Number: 356
Test Date: 09/05/2013 Test Time: 10:44 EDT

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 316 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:44
BLK	0.000	10:45
CHK	0.078	10:46
BLK	0.000	10:47
CHK	0.078	10:48
BLK	0.000	10:49
CHK	0.078	10:50
BLK	0.000	10:51

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Handwritten signature

Department of Forensic Science
Serial Number: 010450 Test Number: 357
Test Date: 09/05/2013 Test Time: 10:53 EDT

Technician Initials: DBH
Dry Gas Target: 0.020
Lot Number: 0651202011-05 Exp Date: 04/01/2014
Tank Pressure: 208 psi Barometric Pressure: 748 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:54
BLK	0.000	10:54
CHK	0.019	10:55
BLK	0.000	10:56
CHK	0.019	10:57
BLK	0.000	10:58
CHK	0.019	10:59
BLK	0.000	11:00

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010450 Test Number: 358

Test Date: 09/05/2013 Test Time: 11:04 EDT

Dry Gas Target: 0.295

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 477 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:05
CHK	0.294	11:06
BLK	0.000	11:07
CHK	0.294	11:08
BLK	0.000	11:10
CHK	0.294	11:11

Test Status: Success

Calibration CRC: 01C9615D

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010450 Test Number: 359

Test Date: 09/05/2013 Test Time: 11:14 EDT

Dry Gas Target: 0.098

Lot Number: AG316301-05 Exp Date: 06/12/2015

Tank Pressure: 1115 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:15
CHK	0.097	11:16
BLK	0.000	11:17
CHK	0.097	11:18
BLK	0.000	11:20
CHK	0.097	11:20

Test Status: Success

Calibration CRC: 01C9615D

DBH

NBL



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/05/2013
TEST EQUIPMENT NUMBER		
010450		

RESULTS: TIME SAMPLE TAKEN 11:29 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 ____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:29

DBH

WAL

Test Results

Instrument Serial Number 010450

Test # 000360 Subject Test

Test Location 1 Department of
Test Date 05 Sep 2013

Test Location 2 Forensic Science
Test Time 11:23
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 05 Sep 2013 End Time 11:30

Result Time 11:29

Result Date 05 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:23

Data Type BLK

Sample Value 0.000

Sample Time 11:24

Data Type CHK

Sample Value 0.097

Sample Time 11:25

Data Type BLK

Sample Value 0.000

Sample Time 11:26

Data Type SUBJ

Sample Value 0.000

Sample Time 11:27

Data Type BLK

Sample Value 0.000

Sample Time 11:28

Data Type SUBJ

Sample Value 0.000

Sample Time 11:29

Data Type BLK

Sample Value 0.000

Sample Time 11:30

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG316301-05

Standard Expiration Date 06/12/2015

Tank Pressure 1115

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.21 sec

Blow Volume 1762 cc End-of-Blow Time 11:27

Blow Sample Number 2 Blow Duration 3.31 sec

Blow Volume 1817 cc End-of-Blow Time 11:29

Tamper Evident Stamp f8958d83

Test Status Code 0

Test Status Success